**Index of Claims** 

| Application/Control N |
|-----------------------|
|-----------------------|

10/027,502

Examiner

Daniel P. Stodola

Applicant(s)/Patent under Reexamination

MOSING, DONALD E.

3679

| √  | Rejected | - | (Through numeral)<br>Cancelled | N | Non-Elected  | A | Appeal   |
|----|----------|---|--------------------------------|---|--------------|---|----------|
| 11 | Allowed  | ÷ | Restricted                     | _ | Interference | o | Objected |

| Claim Date             |          |             |  | Claim Date                              |               |          |  |                 |          | ſ         | Cla       | aim                | Date            |           |  |           |     |          |          |          |          |           |  |           |          |               |          |          |
|------------------------|----------|-------------|--|---|---------------|----------|--|-----------------|----------|-----------|-----------|--------------------|-----------------|-----------|--|-----------|-----|----------|----------|----------|----------|-----------|--|-----------|----------|---------------|----------|----------|
|                        |          | 9           | П  | Т                                       |               |          | П  |                 |          |           |           |                    | П               | Т         | Т  |           | Ī   |          |          |          |          | П         | $\Box$                                     | $\Box$    |          |               |          |          |
| Finat                  | Original |             |  |   |               | 1        | 1  | <u>@</u>        | Original |           |           |                    | ll              |           | ı  | 1 1       |     | <u>a</u> | Original |          |          |           |  |           |          |               |          |          |
| <u>:</u>               | Ē        | 12          |  |   |               |          |  | Final           | rigi     |           |           |                    |                 |           |  | li        |     | Final    | nig      |          |          |           |  | ı         |          |               |          |          |
| -                      | 0        | αd          |  |   |               |          |  | -               | 0        |           | 1         |                    | H               |           |  | 1 1       | - 1 |          | 0        |          |          |           |  | . !       | 1        | ΙI            |          |          |
| <u> </u>               | 1        | 1           | $\vdash$   |   | H             | -        | H  |                 | 51       | -+        | +         | $\vdash$           | $\vdash$        | +         | ╁  | $\vdash$  | ŀ   |          | 101      | Н        |          | $\vdash$  |  | $\dashv$  |          | $\dashv$      | $\dashv$ | $\dashv$ |
| <del></del>            | 2        | _           | +  | +                                       | $\vdash$      | $\dashv$ | $\vdash$   | -               | 52       | -         | ╅         | 1                  | $\vdash$        | +         | ┪  | +         | ŀ   |          | 102      | Н        | -        |           |  | $\vdash$  | -        | $\vdash$      | $\dashv$ | -        |
| <del> </del>           | 3        | 4           | ╁┼   | +-                                      | $\vdash$      |          |  | -               | 53       | -         | +-        | +                  |                 | +         | ╂  | +         | - } |          | 103      | Н        |          | $\vdash$  | $\vdash$                                   | Н         | $\vdash$ | $\vdash$      | $\dashv$ | $\dashv$ |
| <u> </u>               |          | 14          | $\vdash$   | -                                       | $\vdash$      |          |  |                 |          | $-\vdash$ |           | $\vdash$           | $\vdash$        | +         | ╂  | +         | ŀ   |          |          | Н        | $\dashv$ | $\vdash$  | $\vdash$                                   | -         | Н        | $\vdash$      | $\dashv$ | $\dashv$ |
|                        | 4        | 4           | $\vdash$   | +-                                      | ┨             | $\dashv$ | $\vdash$   | <u> </u>        | 54       |           |           | -                  | $\vdash$        | -         | +-   | -         | ŀ   |          | 104      | Н        | -        | $\vdash$  | $\vdash$                                   | $\dashv$  | Ш        |               |          |          |
| <u> </u>               | 5        | <u> </u>    | ╌  | -                                       |               |          | <del>                                     </del> |                 | 55       |           | +         | -                  | $\vdash$        | _         |  | +         | ŀ   |          | 105      | -        |          | $\vdash$  | $\vdash$                                   | $\vdash$  |          | $\vdash$      | $\dashv$ | $\dashv$ |
|                        | 6        | <u>- [</u>  | $\vdash$   |   | $\vdash$      | _        | $\vdash$   |                 | 56       |           | +         | $\vdash$           | $\vdash$        |           | +  | ₩         | ŀ   |          | 106      | $\vdash$ | -        | $\vdash$  | $\vdash\vdash$                             | $\dashv$  | Н        | -+            | -        |          |
|                        | 7        | U           | $\vdash$   | $\perp$                                 | $\vdash$      | _        |  | ļ               | 57       |           |           | Н—                 | $\vdash$        | _         | +  | Н         | ŀ   |          | 107      | -        | _        | $\vdash$  | -  | $\dashv$  | Щ        | $\dashv$      | $\dashv$ |          |
|                        | 8        |             |  |   | Ш             |          | Щ  |                 | 58       |           |           | _                  |                 | -         | —  | $\bot$    | ŀ   |          | 108      |          | $\Box$   | $\square$ | Ш  | $\vdash$  |          | _             |          |          |
| <u> </u>               | 9        | <u>v</u>    | $\sqcup$   |   | $\sqcup$      | _        | Ш  |                 | 59       | $\perp$   | $\perp$   | $\vdash$           | Ш               |           | -  | Ш         | -   |          | 109      |          | _        | $\square$ | Ш  | Щ         |          |               |          |          |
|                        | 10       | V           |  |   | Ш             |          | Ш  |                 | 60       |           |           | $oldsymbol{\perp}$ |                 |           |  | Ш         | L   |          | 110      |          |          | Ш         | Ш  |           |          |               |          |          |
| L                      | ¥        |             | $oxed{oxed}$                                     | $\perp$                                 | Ш             |          | Ш  |                 | 61       |           |           | Ш                  | Ш               |           | $\perp$  | Ш         | L   |          | 111      |          |          | Ш         | Ш  | $\Box$    |          | Ц             |          |          |
|                        | 12       | <b>V</b>    | $\sqcup \bot$                                    | $\perp$                                 | Ш             |          | Ш  |                 | 62       | _         |           | oxdot              | Ш               | _         |  | Ш         | L   |          | 112      | Ш        | _        | Ш         | Ш  |           |          | Ш             |          |          |
|                        | 13       | 1/          |  |   |               |          | Ш  |                 | 63       |           |           | Ш                  |                 |           |  | Ш         |     |          | 113      | Ш        |          | Ш         | Ш  | Ш         |          |               |          |          |
|                        | 14       | V           |  |   |               |          |  |                 | 64       |           |           | $\Box$             | $\Box$          | $\perp$ L |  | Ш         |     | ]        | 114      | ot       | ]        |           | $oxedsymbol{oxedsymbol{oxedsymbol{oxed}}}$ |           |          |               | [        |          |
|                        | 15       | V           |  |   |               |          |  |                 | 65       |           |           |                    |                 | $\perp$   |  | $\square$ |     |          | 115      |          |          |           |  |           |          |               |          |          |
|                        | 16       | V           | $\Box T$   |   |               |          |  |                 | 66       |           |           |                    |                 |           |  |           | ſ   |          | 116      |          |          | ╚         |  |           |          |               |          |          |
|                        | X        |             | $\Box \top$                                      | $\Box$                                  |               |          |  |                 | 67       |           | $oxed{T}$ |                    |                 |           | Ι  |           | ſ   |          | 117      |          |          |           |  |           |          |               |          |          |
| -                      | 78       |             |  | $\top$                                  |               |          |  |                 | 68       |           |           | П                  |                 |           |  | П         | Γ   |          | 118      |          |          | П         | П  | $\Box$    |          |               | $\neg$   |          |
|                        | 19       |             |  |   | П             |          | П  |                 | 69       |           | $\top$    | П                  | $\neg$          |           | Т  |           |     |          | 119      |          |          | П         | П  | $\Box$    |          |               | $\neg$   | $\neg$   |
|                        | 20       |             |  |   |               |          |  |                 | 70       |           |           |                    | Ħ               |           | İ  | П         |     |          | 120      |          |          |           |  | コ         |          |               | ヿ        | $\neg$   |
|                        | 21       |             |  | $\top$                                  |               | 1        |  |                 | 71       | _         | 1         | $\Box$             | T               |           | 1-   | $\Box$    | ľ   |          | 121      |          |          | $\neg$    | $\neg$                                     |           | $\neg$   |               | 寸        | $\neg$   |
|                        | 22       |             |  | $\top$                                  | $\Box$        |          | $\vdash$   |                 | 72       | $\dashv$  | $\top$    | П                  | 一               | $\top$    | $\top$   | $\Box$    | r   |          | 122      | $\Box$   |          | $\dashv$  | $\sqcap$                                   |           |          | _             | 一        | -        |
|                        | 23       |             |  | 1-                                      | -             | _        |  |                 | 73       | _         | +-        | $\vdash$           |                 | +         | +  | П         | Ī   |          | 123      |          |          |           | $\exists$                                  | $\exists$ |          |               | 一        | $\dashv$ |
|                        | 24       | <del></del> | $\vdash$   | $\top$                                  | $\vdash$      |          |  |                 | 74       |           | +-        |                    | $\neg$          | _         | $\dagger$  | Н         | ŀ   |          | 124      |          |          | $\dashv$  | $\dashv$                                   | $\dashv$  | $\neg$   |               | $\dashv$ | $\dashv$ |
|                        | 25       | $\vdash$    | $\vdash$   | $\top$                                  | -             | _        |  | _               | 75       | $\dashv$  | +         | $\vdash$           | $\vdash$        | +         | +  | Н         | ŀ   |          | 125      |          | $\dashv$ | $\dashv$  | $\dashv$                                   | $\dashv$  | $\dashv$ |               | $\dashv$ |          |
| $\vdash$               | 26       | $\vdash$    |  | +                                       |               | -        | Н  |                 | 76       | -         | +         | $\vdash$           |                 | $\dashv$  | +  | -         | ŀ   |          | 126      | -        | -        | $\dashv$  | $\dashv$                                   | $\dashv$  |          | -             | 一        | $\dashv$ |
|                        | 27       |             |  | +                                       | $\vdash$      | +-       | H  |                 | 77       | +         | +         | $\vdash$           |                 | +         | +  | +         | ŀ   |          | 127      | -        | $\dashv$ | $\dashv$  | $\dashv$                                   | $\dashv$  |          | $\dashv$      | $\dashv$ | $\dashv$ |
|                        | 28       | $\vdash$    |  | +                                       | $\dashv$      | +        | H  |                 | 78       | +         | +         | 1                  | -               |           | +  | $\vdash$  | H   |          | 128      |          | $\dashv$ | $\dashv$  | $\dashv$                                   | $\dashv$  |          | $\dashv$      | $\dashv$ | $\dashv$ |
| $\vdash$               | 29       |             | <del>                                     </del> | +                                       | -             |          | H  | $\vdash$        | 79       |           | +         | $\vdash$           | $\dashv$        |           | +  | Н         | H   | -        | 129      | -        | $\dashv$ | $\dashv$  | $\dashv$                                   | $\dashv$  |          | $\dashv$      | $\dashv$ |          |
|                        | 30       | $\vdash$    | ┢╌┢  | ++1                                     | $\dashv$      | +        | Н  | -               | 80       | -+        | +         | ╂                  | -               | +         | +  | $\vdash$  | -   |          | 130      | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$                                   | $\dashv$  | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
|                        | 31       |             | -  |   | $\rightarrow$ | +        | Н  | _               | 81       | +         | +         |                    | $\dashv$        | +         | +  | Н         | H   |          | 131      | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$                                   | $\dashv$  | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
|                        |          |             | $\vdash$   | +                                       | $\dashv$      | -        | Н  | $\vdash$        |          | -         | +-        | $\vdash$           | $\dashv$        | +         | +  | H         | -   |          | 131      | $\vdash$ | $\dashv$ | $\dashv$  | $\dashv$                                   | $\dashv$  | -        |               | -        |          |
|                        | 32       |             |  | +                                       | -             |          | H  | <u> </u>        | 82       | +         | +         | $\vdash$           | $\dashv$        | -         |  | H         | -   |          | 132      |          | -        | -         | -  | -         |          | -             | $\dashv$ |          |
|                        | 33       | -           | ┝╌┝╴   |   | _             | _        | Н  | <u> </u>        | 83       |           | +         | ╁╌┤                |                 |           | -  | $\vdash$  | -   |          | 133      | -        |          | $\dashv$  | $\dashv$                                   |           |          | -             | $\dashv$ |          |
| $\vdash \vdash$        | 34       | $\vdash$    | ⊢-   |   | $\dashv$      |          | Н  | $\vdash$        | 84       | _         | +         | $\vdash \vdash$    |                 | +         | +-   | H         | -   |          | 134      |          | _        |           | $\dashv$                                   | _         | _        | _             | $\dashv$ |          |
|                        | 35       |             | -  | +                                       |               |          | $\square$  | $\vdash$        | 85       |           |           | $\vdash$           | _               | +         | +  | $\vdash$  | F   |          | 135      |          | _        | _         | 4  | _         | _        | _             | 4        |          |
| <u> </u>               | 36       |             | -  | $\perp$                                 | $\dashv$      | _ _      | Щ  | $\vdash \vdash$ | 86       |           | $\bot$    |                    |                 |           | $\bot$   | Ш         | L   |          | 136      |          | _        | _         | _  | _         | _        | $\dashv$      | _        |          |
| $\sqcup$               | 37       |             | $\sqcup \bot$                                    | $\perp \perp$                           | $\dashv$      | $\perp$  | Щ  | $\sqcup$        | 87       |           |           | Ш                  | $\sqcup$        | $\perp$   | ↓_   | Ш         | L   |          | 137      | ļ        | ļ        | ↲         |  |           | _        | _             |          | Ц        |
| $\sqcup$               | 38       |             | igsqcut  | 11                                      | Ц             | $\perp$  | Щ  | Ш               | 88       | _         |           | Ш                  | $\perp$         |           | $\bot$   | Ш         | L   |          | 138      |          |          | $\dashv$  | $\Box$                                     |           |          | ightharpoonup |          |          |
|                        | 39       |             |  | $oldsymbol{\perp}$                      |               |          |  |                 | 89       |           | $\perp$   | Ш                  | $\perp$         | $\perp$   |  | Ш         | L   |          | 139      |          |          |           |  |           |          |               |          |          |
|                        | 40       |             |  |   | $\Box$        |          | $\square$  |                 | 90       |           |           | $\Box$             | $\bot$          |           |  | Ш         |     |          | 140      |          | ]        |           |  |           |          |               |          |          |
|                        | 41       |             |  |   |               |          |  |                 | 91       |           |           |                    | $\Box$          |           |  |           |     |          | 141      |          |          |           |  | I         |          |               |          |          |
|                        | 42       |             | $\Box \Box$                                      |   |               |          |  |                 | 92       |           |           |                    | $\Box$          |           | $oldsymbol{ol}}}}}}}}}}}}}}$ |           | Γ   |          | 142      |          |          |           |  | [         |          |               | $\Box$   |          |
|                        | 43       |             |  |   |               |          |  |                 | 93       |           | $I^{-}$   |                    | $_{-}$ T        |           |  |           | Γ   |          | 143      |          |          |           |  |           |          |               |          |          |
|                        | 44       |             |  |   |               |          |  |                 | 94       |           | 1         |                    | $\Box$          |           |  | П         | Γ   |          | 144      |          |          |           |  | $\Box$    |          |               | $\Box$   |          |
|                        | 45       |             |  | $\top$                                  | $\Box$        |          |  |                 | 95       | 1         | 1         | $\sqcap$           | $\neg \uparrow$ |           |  | П         | ٦   |          | 145      |          | $\neg$   | $\dashv$  |  | $\neg$    | 一        | $\neg$        | $\neg$   |          |
| П                      | 46       |             |  | $\sqcap$                                | $\exists$     |          |  |                 | 96       |           | 1         | П                  | 1               | $\top$    | Ì  | П         | ı   |          | 146      | $\Box$   | $\neg$   | $\neg$    | $\neg$                                     | 寸         | $\neg$   | 7             | $\dashv$ |          |
| $\Box$                 | 47       |             |  | 11                                      | 一             |          | $\Box$   |                 | 97       | $\dashv$  | 1         | $\vdash$           | $\dashv$        | $\neg$    | 1  | $\sqcap$  | 一上  |          | 147      | $\neg$   | _        | $\dashv$  | $\dashv$                                   | $\dashv$  | $\neg$   | $\dashv$      | _        | _        |
|                        | 48       |             |  | 11                                      | 十             | _        | $\dashv$   | М               | 98       | $\dashv$  | $\top$    | $\vdash$           | $\dashv$        | +         | +-   | +         | 卜   |          | 148      | $\neg$   | $\dashv$ | $\dashv$  | $\dashv$                                   | $\dashv$  | $\neg$   | _             | $\dashv$ | $\dashv$ |
| $\vdash \vdash \vdash$ | 49       | _           |  | † †                                     | $\dashv$      |          | $\dashv$   | $\vdash$        | 99       | -+        | +         | $\vdash$           | $\dashv$        | -         | +  | H         | ŀ   |          | 149      | 一        | -        | $\dashv$  | $\dashv$                                   | $\dashv$  | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
| <del>  </del>          | 50       |             | $\vdash$   | +                                       | $\dashv$      | -        | $\dashv$   | $\vdash$        | 100      | +         | +         | ┥                  | -+              | +         | +-   | Н         | H   |          | 150      | $\dashv$ | +        | $\dashv$  | $\dashv$                                   | $\dashv$  | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
|                        | 50       |             |  | لــــــــــــــــــــــــــــــــــــــ |               | !        |  | لــــا          | 100      |           |           | ш                  |                 |           |  | ш         | L   |          | 100      | 1        |          |           |  |           |          |               |          |          |